Scheme 1

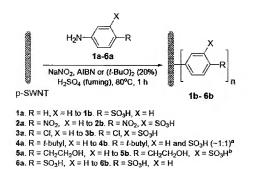


Fig. 1

$$H_2N$$
 I_2N
 I_2N

Fig. 2

Scheme 2 H₂N — R NaNO₂, AIBN H₂SO₄ (fuming), 80°C, 1 h Water-soluble Unbundled

Fig. 3

4/11 REPLACEMENT SHEET

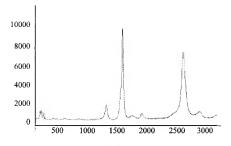
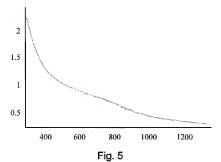


Fig. 4



5/11 REPLACEMENT SHEET

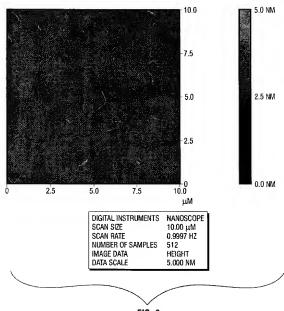
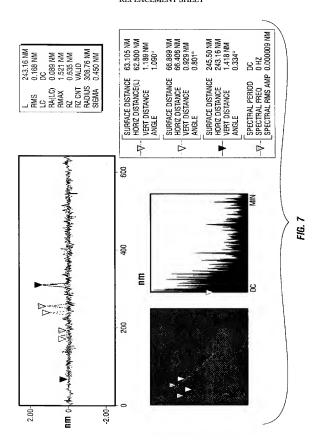


FIG. 6

6/11 REPLACEMENT SHEET



7/11 REPLACEMENT SHEET

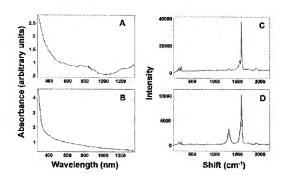


Fig. 8

8/11 REPLACEMENT SHEET

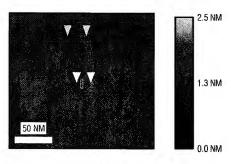


FIG. 9A

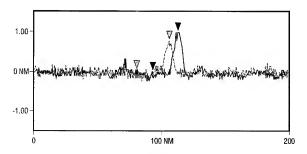
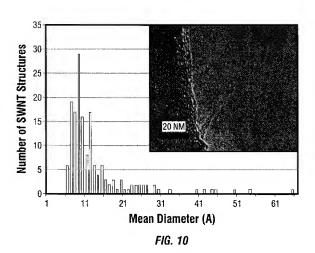


FIG. 9B

9/11 REPLACEMENT SHEET



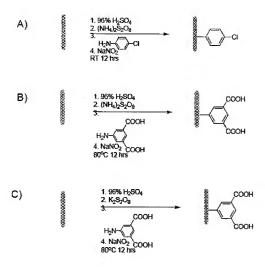


Fig. 11

Scheme 3

H-B = Acidic Media

Fig. 12

SCheme 4 N-N=N-R R = Halogen, Alkyl, Ester, Amide, Ether

Fig. 13